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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XVIII, No. 4 — April, 1970

Production of crude oil and condensate from the oil and gas areas of Montana for the month of April, 1970, averaged 102,016 barrels daily, a decrease of 5,509 barrels from the average March, 1970 production of 107,525.

The nine refineries in the state processed 103,460 barrels of crude oil daily for the month of April, 1970, a decrease of 1,858 barrels from the 105,318 barrels processed daily during the month of March, 1970.

During April 34 wells were completed, 8 oil, 3 gas and 23 dry holes.

During April the commission issued 46 permits to drill new wells, an increase of 19 from the 27 permits issued during March.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF APRIL, 1970

IN STORAGE APRIL 1st	
By Producers	362,487
By Transporters	1,382,147
By Refiners	387,559
TOTAL STORAGE	2,132,193
Produced in Montana During Month	3,060,479
Imported During Month	2,461,957
TOTALS	7,654,629
DISPOSITION:	
Refined in Montana	3,103,809
Exported	2,030,174
Used for Fuel or Lost	4,231
TOTAL	5,138,214
IN STORAGE APRIL 30th	
By Producers	392,877
By Transporters	1,372,996
By Refiners	750,542
TOTAL STORAGE	2,516,415

NATURAL GAS WITHDRAWALS IN MONTANA

Month of April, 1970

Field	M. Cu. Ft.
Bears Den	0
Bell Creek	691,322
Big Coulee	93,725
Blackjack	78,162
Bowdoin	160,944
Bowes	32,140
Box Elder	0
Cabin Creek	96,976
Cedar Creek	80,679
Clarks Fork South	0
Cut Bank (Including Reagan)	535,217
Devon	0
Dry Creek	38,272
Elk Basin	90,646
Flat Coulee	18,957
Gold Butte	3,974
Golden Dome	0
Grandview	53,729
Hardin	2,077
Keith Block	191,123
Kevin Sunburst	64,433
Lake Basin	45,698
Middle Butte	2,330
Mt. Lilly	39,130
Pine	56,337
Plevna	4,280
Squaw Coulee	73,517
Tiger Ridge	42,068
Utopia	78,071
Whitlash	98,366
Miscellaneous	352,787
TOTAL	3,024,960

Total withdrawals for April 1969 were 2,935,695

PRODUCERS REPORT—MONTH OF APRIL, 1970

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
3	Ash Creek	3	485	2,261	----------	2,241	----------	505
2	Bainville	2	1,541	7,545	----------	7,310	----------	1,776
	Bannatyne		573	----------	----------	----------	----------	573
1	Bascom	1	61	34	----------	----------	----------	95
6	Bear's Den	7	1,937	1,334	----------	1,454	----------	1,817
60	Bell Creek	371	64,045	624,742	616,584	----------	1,519	70,684
1	Benrud	1	244	500	500	----------	----------	244
2	Benrud East	2	1,117	12,946	12,657	----------	----------	1,406
1	Benrud Northeast	1	1,021	3,000	3,000	----------	----------	1,021
1	Berthelote	1	506	132	----------	----------	----------	638
6	Big Wall	14	972	11,499	11,219	----------	----------	1,252
4	Blackfoot	6	1,385	2,086	2,086	----------	----------	1,385
5	Border	5	420	1,579	----------	1,449	----------	550
1	Bowes	55	3,130	11,310	8,387	----------	----------	6,053
1	Bradley	1	846	600	600	----------	----------	846
2	Brady	2	296	385	385	----------	----------	296
4	Brorson-Madison	4	828	4,682	4,119	----------	----------	1,391
6	Brorson-Red River	6	5,426	27,404	----------	27,855	----------	4,975
2	Brorson-Red River South	3	2,012	11,121	----------	11,412	----------	1,721
3	Brush Lake	3	1,012	19,113	18,296	----------	----------	1,829
2	Cabin Creek	96	----------	298,989	298,989	----------	----------	----------
11	Cat Creek	55	2,137	12,858	11,510	1,389	----------	2,096
	Clark's Fork		13	----------	----------	----------	----------	13
3	Conrad South	3	662	1,783	1,783	----------	----------	662
1	Cow Creek	1	54	371	----------	----------	----------	425
2	Culbertson	2	950	4,711	----------	4,407	----------	1,254
2	Cupton	2	2,475	2,257	----------	2,492	----------	2,240
132	Cut Bank	875	63,181	430,480	429,522	----------	----------	64,139
	Dean Dome		65	----------	----------	----------	----------	65
2	Deer Creek	2	329	1,501	1,353	----------	----------	477
1	Delphia	1	432	121	----------	420	----------	133
	Devil's Basin		671	----------	----------	----------	----------	671
2	Dwyer	14	4,133	22,285	21,828	----------	----------	4,590
4	Elk Basin	58	1,625	166,971	166,882	----------	----------	1,714
5	Elk Basin Northwest	12	8,046	11,912	10,665	----------	152	9,141
9	Fairview	10	7,764	49,656	44,347	----------	1,767	11,306
2	Fertile Prairie	2	829	1,353	----------	1,363	----------	819
8	Flat Coulee	26	4,983	9,831	9,423	----------	----------	5,391
35	Flat Lake	60	7,106	66,959	66,473	----------	----------	7,592
4	Flat Lake South	4	1,255	5,681	5,849	----------	----------	1,087
1	Frannie	1	----------	600	600	----------	----------	----------
15	Fred & George Creek	31	3,726	33,298	35,203	----------	----------	1,821
1	Gage	1	97	136	----------	170	----------	63
	Gage Southwest		30	----------	----------	----------	----------	30
3	Gas City	17	6,882	23,429	19,253	3,071	----------	7,987
2	Girard	2	816	4,139	----------	3,015	13	1,927
11	Glendive	15	2,705	30,954	26,796	4,602	----------	2,261
23	Goose Lake	28	6,192	46,792	44,691	----------	----------	8,293
9	Graben Coulee	20	5,129	4,606	2,138	3,564	----------	4,033
	Grandview		----------	----------	----------	----------	----------	----------
	Gypsy Basin		749	----------	----------	----------	----------	749
1	Hardscrabble Creek	1	362	86	----------	195	----------	253
2	Hay Creek	2	430	13,443	13,534	----------	----------	339
6	Hiwatha	6	3,504	10,208	10,227	----------	----------	3,485
1	Hibbard	1	390	315	----------	----------	----------	705
1	Injun Creek	1	1,966	393	----------	1,526	----------	833
6	Ivanhoe	11	2,460	7,073	7,048	451	----------	2,034
1	Katy Lake	1	1,389	322	----------	----------	----------	1,711
7	Keg Coulee	19	3,247	10,737	7,999	2,649	----------	3,336
2	Keg Coulee North	2	847	718	902	----------	----------	663
1	Kelley	5	499	4,419	3,559	----------	----------	1,359
79	Kevin Sunburst	378	11,041	27,175	25,909	2,614	----------	9,693
8	Laird Creek	10	793	5,766	----------	5,947	1	611
2	Leary	2	1,078	1,528	----------	825	----------	1,781
1	Little Beaver	24	----------	28,913	28,913	----------	----------	----------
2	Little Beaver East	13	1,040	16,905	16,665	----------	----------	1,280
1	Lodge Grass	1	1,020	1,198	----------	1,572	----------	646
3	Lookout Butte (Coral Creek)	34	439	84,992	85,009	----------	----------	422
	Mackay Dome		1,134	----------	----------	----------	----------	1,134
2	Mason Lake	2	843	661	681	----------	----------	823
3	Melstone	5	1,077	1,669	1,807	----------	----------	939
1	Mineral Bench	1	489	785	862	----------	----------	412
1	Miner's Coulee	1	107	507	----------	507	----------	107
10	Monarch	15	4,618	18,959	18,875	----------	----------	4,702
6	Outlook	10	4,600	15,839	13,648	----------	----------	6,791
1	Outlook South	1	547	1,394	877	----------	----------	1,064
2	Outlook West	2	1,317	2,769	2,945	----------	----------	1,141
1	Pennel-Lookout Butte	113	----------	127,512	127,512	----------	----------	----------
4	Pine	115	17,067	273,761	273,768	----------	----------	17,060
1	Pole Creek	1	777	291	----------	857	----------	211
53	Pondera	218	6,532	22,913	21,905	----------	----------	7,540
7	Poplar	66	10,038	55,056	55,275	----------	----------	9,819
2	Poplar Northwest	2	1,473	852	424	----------	----------	1,901
	Prairie Elk		871	----------	----------	----------	----------	871
5	Pritchard Creek	5	167	2,762	2,762	----------	----------	167
4	Ragged Point	12	2,744	5,822	5,503	743	----------	2,320
2	Rattlesnake Coulee	2	591	601	596	----------	----------	596
2	Reagan	45	550	21,165	21,133	----------	97	485
1	Red Creek	21	----------	18,554	18,554	----------	----------	----------
1	Red Fox	1	436	3,500	3,500	----------	----------	436
1	Redstone	1	806	4,008	3,946	----------	----------	868
1	Repeat	1	95	1,022	----------	707	----------	410
5	Reserve	5	----------	14,080	14,080	----------	----------	----------
	Richey		778	----------	----------	----------	----------	778
1	Richey Southwest	6	1,553	1,924	----------	1,927	----------	1,550
	Rough Creek		266	----------	----------	----------	----------	266
1	Rush Mountain	1	602	3,238	2,812	----------	----------	1,028
6	Sand Creek	8	2,007	8,333	8,025	----------	----------	2,315
1	Shotgun Creek	1	92	519	----------	----------	----------	611
	Sidney		880	----------	----------	----------	----------	880
1	Snyder	4	581	680	----------	----------	----------	1,261
6	Soap Creek	17	3,751	460	----------	603	----------	3,608
1	Spring Lake	2	2,036	3,278	----------	1,525	----------	3,789
1	Stensvad	11	1,819	15,191	15,013	----------	----------	1,997
12	Sumatra	73	10,151	52,631	52,106	----------	----------	10,676
5	Tule Creek	6	3,612	38,856	----------	38,799	----------	3,669
2	Tule Creek East	2	826	10,000	----------	10,000	----------	826
2	Tule Creek South	3	876	4,988	----------	4,190	18	1,656
2	Vida	2	412	1,119	----------	874	----------	657
3	Volt	4	2,345	12,000	12,000	----------	----------	2,345
2	Weed Creek	3	880	4,145	4,443	----------	7	575
4	Weldon	9	1,386	29,625	29,838	----------	----------	1,173
1	West Butte	1	----------	3,158	----------	3,158	----------	----------
16	Whitlash	43	8,036	12,658	13,146	----------	----------	7,548
1	Whitlash West	1	448	249	----------	----------	----------	697
	Wibaux		132	----------	----------	----------	----------	132
2	Wills Creek South	2	----------	3,630	3,630	----------	----------	----------
6	Wolf Springs	9	2,425	4,565	1,854	----------	----------	5,136
2	Woodrow	2	119	2,293	2,126	----------	----------	286
3	Wright Creek	6	2,142	5,355	4,848	----------	----------	2,649
1	Wildcat, Blaine Cty	1	589	240	519	----------	----------	310
	Wildcat, Carbon Cty		310	----------	----------	----------	----------	310
1	Wildcat, Fallon County	3	2,261	12,864	13,126	----------	102	1,897
2	Wildcat, Glacier County	5	1,195	1,154	263	----------	----------	2,086
1	Wildcat, Liberty County	1	307	74	----------	----------	----------	381
3	Wildcat, Richland County	1	1,393	44,633	----------	43,225	----------	2,801
730	Total	3,209	362,487	3,060,479	2,827,305	199,108	3,676	392,877

Total Oil Produced & Shipped From Leases	Bbls. Produced	Daily Average	Bbls Shipped	Daily Average
Year, 1969	43,954,112	120,422	44,000,342	120,549
1st Quarter, 1970	9,744,920	108,306	9,724,779	108,062
April, 1970	3,060,479	102,016	3,026,413	100,880

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage‡	Total oil In Storage‡
December, 1969	351,210	1,237,355	731,177	2,319,742
March, 1970	362,487	1,382,147	387,559	2,132,193
April, 1970	392,877	1,372,996	750,542	2,516,415

*Montana Oil Only. ‡Includes Wyoming Oil.

TRANSPORTERS REPORT—MONTH OF APRIL, 1970

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,241				2,241		
BAINVILLE—									
Rock Island Oil & Ref. Co.			7,310				7,310		
BEAR'S DEN—Truck			1,454				1,454		
BELL CREEK—Pipelines		616,584					463,439	153,145	
BIG WALL—									
Continental Pipeline Co.		11,219				11,219			
BLACKFOOT—									
Camerland Cardinal Corp.		2,086						2,086	
BORDER—Permian Corp.			1,449					1,449	
BOWES—Texaco Inc.		8,387				8,387			
BRORSON-MADISON—Pipelines		4,119						4,119	
BRORSON-RED RIVER & BRORSON-RED RIVER SOUTH—									
Rock Island Oil & Ref. Co.			39,267				39,267		
BRUSH LAKE—Portal Pipeline Co.		17,598					17,598		
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	349,246	744,231	16,941	660,690			1,395,520		375,588
Shell Pipeline Co.	5,989	274,636			95			276,751	3,779
	355,235	1,018,867	16,941	660,690	95		1,395,520	276,751	379,367
CAT CREEK—									
Continental Pipeline Co.		11,510				11,510			
Truck			1,389			1,389			
		11,510	1,389			12,899			
CUT BANK—									
Continental Pipeline Co.			13,885	505,946				519,831	
Phillips Petroleum Co.	80,673	99,567			1,509	34,868		44,757	99,106
Texas Pipeline Co.	28,239	79,240		46,562	272			127,258	26,511
Union Oil Co.	79,419	78,698		26,099	574	94,850			88,792
Western Oil Trans. Co.		37,348						37,348	
Western Oil Trans. (Moulton)		52,443						52,443	
	188,331	347,296	13,885	578,607	2,355	129,718		781,637	214,409
CULBERTSON—Tesoro Petr. Corp.			4,407					4,407	
DELPHIA—Truck			420			420			
DWYER—Portal Pipeline Co.		18,195					18,195		
ELK BASIN & ELK BASIN NORTHWEST—									
Marathon Pipeline Co.		177,545				177,545			
FAIRVIEW—Fairview Pipeline Co.		44,347					44,347		
FLAT COULEE—									
Camerland Cardinal Corp.		8,758				54		8,704	
FLAT LAKE & FLAT LAKE SOUTH—									
Portal Pipeline Co.		67,659					67,659		
FRANNIE—Interstate Pipeline Co.		600					600		
FRED & GEORGE CREEK AND PRITCHARD CREEK—									
Camerland Cardinal Corp.	32,276	37,775				20,320		32,341	17,390
GAGE & GAGE SOUTHWEST—									
Truck			170			170			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	9,951	32,949			630			36,163	6,107
GIRARD—									
Rock Island Oil & Ref. Co.			3,015				3,015		
GOOSE LAKE—									
Portal Pipeline Co.		40,779					40,779		
HARDSCRABBLE CREEK—Truck			195					195	
HAY CREEK—									
Fairview Pipeline Co.		13,534					13,534		
HIAWATHA—									
Continental Pipeline Co.		9,458					9,458		
INJUN CREEK—Permian Corp.			1,526				1,526		
IVANHOE—									
Continental Pipeline Co.		7,327	451			7,778			
KEG COULEE & KEG COULEE NORTH—									
Continental Pipeline Co.		9,158	2,649			11,807			
KELLEY—									
Continental Pipeline Co.		3,559				3,559			
KEVIN SUNBURST—									
Big West Oil Co.	4,764	12,500				12,500			4,764
Homestake Oil & Gas Co.	2,519	2,199				2,669			2,049
Texas Pipeline Co.	7,465	11,105		6,853	131			17,351	7,941
	14,748	25,804		6,853	131	15,169		17,351	14,754
LEARY—Permian Corp.			825				825		
LODGE GRASS—Permian Corp.			1,572			1,572			
MASON LAKE—									
Continental Pipeline Co.		681				681			
MELSTONE—									
Continental Pipeline Co.		1,810				1,810			
OUTLOOK, OUTLOOK SOUTH & OUTLOOK WEST—									
Portal Pipeline Co.		17,472					17,472		
POLE CREEK—Truck			857				857		
PONDERA—Phillips Petr. Co.	38,931	23,220			(1,121)	20,917			42,355
POPLAR, BENRUD, BENRUD EAST, RED FOX, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT									
East Poplar Gathering System	18,676	104,259			424			105,744‡	16,767
RAGGED POINT—									
Continental Pipeline Co.		5,990	743			5,990	743		
RED CREEK—									
Western Oil Transportation Co.		21,274						21,274	
RESERVE—Portal Pipeline Co.		14,621					14,621		
RUSH MOUNTAIN—									
Sinclair Refining Co.		2,812					2,812		
SOAP CREEK—Permian Corp.			603				603		
SPRING LAKE—									
Rock Island Oil & Ref. Co.			1,525				1,525		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	719,471	67,462		1,187,259	(4,220)	53,545		1,245,318	679,549
TULE CREEK—									
Tesero Petr. Corp.	4,528		52,989			55,219			2,298
WEED CREEK—									
Continental Pipeline Co.		4,443				4,443			
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		13,438				13,438			
WOLF SPRINGS—									
Continental Pipeline Co.		1,854				1,854			
WILDCAT WELLS—Truck			43,225				43,225		
TOTALS	1,382,147	2,814,449	199,108	2,433,409	(1,706)	558,514	2,208,625	2,690,684	1,372,996

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon and Wills Creek South.

‡Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF APRIL, 1970

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall	----------	11,219	----------	----------	----------	----------	----------	----------	----------	11,219
Bowes	----------	----------	16,747	14,577	----------	----------	----------	----------	----------	31,324
Cat Creek	----------	365	----------	----------	----------	3,253	----------	----------	----------	3,618
Cut Bank	11,000	----------	----------	----------	----------	----------	80,145	----------	92,059	183,204
Delphia	----------	----------	----------	----------	----------	463	----------	----------	----------	463
Elk Basin	----------	68,676	----------	46,813	62,056	----------	----------	----------	----------	177,545
Flat Coulee	----------	----------	----------	----------	----------	----------	----------	----------	54	54
Fred & George Creek	20,320	----------	----------	----------	----------	----------	----------	----------	----------	20,320
Gage & Gage Southwest	----------	----------	----------	----------	----------	635	----------	----------	----------	635
Hibbard	----------	----------	----------	----------	----------	528	----------	----------	----------	528
Ivanhoe	----------	7,778	----------	----------	----------	----------	----------	----------	----------	7,778
Keg Coulee	----------	6,064	----------	5,743	----------	----------	----------	----------	----------	11,807
Kelley	----------	----------	----------	----------	3,559	----------	----------	----------	----------	3,559
Kevin Sunburst	15,169	----------	----------	----------	----------	----------	----------	----------	----------	15,169
Lodge Grass	----------	1,572	----------	----------	----------	----------	----------	----------	----------	1,572
Mason Lake	----------	681	----------	----------	----------	----------	----------	----------	----------	681
Melstone	----------	----------	----------	1,810	----------	----------	----------	----------	----------	1,810
Pondera	----------	----------	----------	----------	----------	----------	20,917	----------	----------	20,917
Ragged Point	----------	----------	----------	5,990	----------	----------	----------	----------	----------	5,990
Sand Creek	----------	----------	----------	----------	----------	14	----------	----------	----------	14
Sumatra & Stensvad	----------	14,272	----------	39,273	10,660	----------	----------	----------	----------	64,205
Tule Creek	----------	----------	----------	----------	----------	----------	----------	59,705	----------	59,705
Weed Creek	----------	----------	----------	----------	4,443	----------	----------	----------	----------	4,443
Whitlash	----------	----------	----------	----------	----------	----------	13,438	----------	----------	13,438
Wolf Springs	----------	----------	----------	----------	1,854	----------	----------	----------	----------	1,854
Total Montana Oil	46,489	110,627	16,747	114,206	82,572	4,893	114,500	59,705	92,113	641,852
Canadian Oil Imported	----------	515,276	----------	123,792	149,386	----------	----------	----------	----------	788,454
Wyoming Oil Imported	----------	626,526	----------	197,349	849,628	----------	----------	----------	----------	1,673,503
Total Montana, Canadian, and Wyoming Oil	46,489	1,252,429	16,747	435,347	1,081,586	4,893	114,500	59,705	92,113	3,103,809

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1969	25,966	13,237	71,981	111,184
April, 1969	21,867	15,014	70,001	106,882
April, 1970	21,395	26,282	55,783	103,460

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
23.35%	11.91%	64.74%
20.46%	14.05%	65.49%
20.68%	25.40%	53.92%